

Quadrant EPP Ketron® LSG CC PEEK Ketron PEEK with 57% Woven Carbon Fiber

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Carbon Fiber Filled

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Quadrant-EPP-Ketron-LSG-CC-PEEK-Ketron-PEEK-with-57-Woven-Carbon-Fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	
	@Temperature 22.8 °C	@Temperature 73.0 °F	
Water Absorption	0.018 %	0.018 %	IMMERSION; 24HRS; ASTM D570 2
Water Absorption at Saturation	0.053 %	0.053 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	94	94	ASTM D2240
	@Temperature 22.8 °C	@Temperature 73.0 °F	
Tensile Strength	586 MPa	85000 psi	ASTM D3039
	@Temperature 22.8 °C	@Temperature 73.0 °F	
Elongation at Break	1.6 %	1.6 %	ASTM D3039
Tensile Modulus	56.5 GPa	8200 ksi	ASTM D3039
	@Temperature 22.8 °C	@Temperature 73.0 °F	
Flexural Strength	793 MPa	115000 psi	ASTM D790
	@Temperature 22.8 °C	@Temperature 73.0 °F	
Flexural Modulus	51.7 GPa	7500 ksi	ASTM D790
	@Temperature 22.8 °C	@Temperature 73.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	343 °C	650 °F	ASTM D3418

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